

REX RX-518

REX RX-518 Blindstitch Machine User Manual

Model: RX-518 | Brand: REX

1. INTRODUCTION

The REX RX-518 is a professional-grade, portable desktop blindstitch machine designed for a wide range of sewing applications. Its all-metal construction ensures durability and stable operation. This machine is ideal for light to medium-weight materials, providing an invisible seam finish for various garments and textiles.



Figure 1: REX RX-518 Blindstitch Machine Overview

Applications include hemming pant cuffs, felling slack bottoms, hemming dresses, skirts, coat bottoms, draperies, negligees, undergarments, lapel padding, blouses, and sleeves. The machine features a skip stitch function for 1-1 and 2-1 stitching, and a swing-away bed plate for extended workspace.

2. SETUP AND ASSEMBLY

Before operating your REX RX-518 machine, ensure it is properly set up and all components are securely in place. The machine is designed for easy installation and preparation.

2.1 Unboxing and Initial Inspection

- Carefully remove all components from the packaging.
- Verify that all included accessories are present: Extra Needles, Thread Stand, 2 Screwdrivers (Philips head and standard), 5-piece allen key set, 1 Tweezer, 1 Plastic Oiler, 2 Machine Clamps, Electronic Foot Speed Controller, Knee lifter, 2 replacement brushes for the motor, and the Instruction & Part manual.
- Inspect the machine for any visible damage from shipping.

2.2 Securing the Machine

The machine comes with a handle that can be attached to a table to secure it, preventing movement during operation. Ensure the machine is stable on a flat, sturdy surface.

2.3 Oiling the Machine

It is crucial to oil the machine before its first use and regularly thereafter to ensure smooth operation and longevity. Use the provided plastic oiler to apply oil to designated oiling points. Refer to the included Instruction & Part manual for specific oiling locations.

Your browser does not support the video tag.

Video 1: Overview of the REX RX-518 Blindstitch Machine and its features, including setup and demonstration of blindstitching.

3. OPERATING INSTRUCTIONS

The REX RX-518 is designed for efficient and precise blindstitching. Familiarize yourself with the machine's controls and features for optimal performance.

3.1 Threading the Machine

Follow the threading diagram in your Instruction & Part manual. Proper threading is essential for consistent stitch quality. Ensure the thread is correctly routed through all guides and tension discs.

3.2 Adjusting Stitch Length and Depth

The machine allows for stitch length adjustment between 3-8mm. Use the stitch length adjustment knob to set the desired length. The depth of the stitch (how much the needle catches the fabric) can also be adjusted to achieve a truly invisible seam on various fabric thicknesses.

3.3 Using the Skip Stitch Feature

The skip stitch feature allows for 1-1 and 2-1 stitching, providing versatility for different fabric types and desired seam appearances. Consult your manual for instructions on engaging and disengaging this feature.

3.4 Fabric Handling

Place the fabric under the presser foot, ensuring the hem allowance is correctly folded. The swing-away bed plate provides extended workspace for larger items like draperies. Use the electronic foot speed controller to manage sewing speed, especially when working on intricate areas or curves.

4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your REX RX-518 blindstitch machine.

4.1 Cleaning

- Regularly clean lint and thread debris from the needle plate area, feed dogs, and bobbin case.
- Use a soft brush or vacuum cleaner attachment for thorough cleaning.

4.2 Lubrication (Oiling)

As mentioned in setup, consistent oiling is vital. Apply sewing machine oil to all moving parts as indicated in the Instruction & Part manual. A well-oiled machine runs smoothly and quietly, reducing wear and tear.

4.3 Needle Replacement

Replace needles frequently, especially when working with different fabric types or if you notice skipped stitches or thread breakage. The machine uses LWx6T needles.

4.4 Motor Brush Replacement

The motor brushes may require replacement over time due to wear. Your machine includes 2 replacement brushes. Refer to the Instruction & Part manual for guidance on how to inspect and replace these components.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your REX RX-518 machine.

Problem	Possible Cause	Solution
Skipped Stitches	Incorrect needle, bent needle, improper threading, incorrect tension.	Replace needle (LWx6T), re-thread machine, adjust tension.
Thread Breakage	High tension, burrs on needle plate, poor quality thread, incorrect threading.	Reduce tension, check for burrs, use quality thread, re-thread.
Machine Runs Slowly or Stalls	Lack of lubrication, motor issues, excessive lint buildup.	Oil the machine, clean thoroughly, check motor brushes.
Stitch Not Invisible	Incorrect stitch depth setting, fabric not properly folded.	Adjust stitch depth, ensure fabric is folded correctly for blindstitching.
Excessive Noise	Lack of lubrication, loose parts.	Oil all moving parts, check for and tighten any loose screws.

For more detailed troubleshooting, refer to the comprehensive Instruction & Part manual provided with your machine.

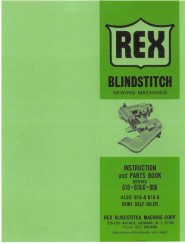


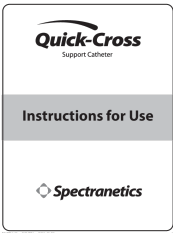
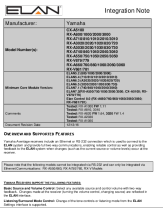

6. SPECIFICATIONS

- **Model:** RX-518
- **Construction:** All Metal
- **Speed:** Up to 1200 Stitches per Minute
- **Stitch Length:** 3-8mm
- **Needle Type:** LWx6T
- **Presser Foot Height:** 7mm
- **Motor:** 110 Volts
- **Product Dimensions:** 15.75 x 14 x 13 inches (40 x 35.5 x 33 cm)
- **Item Weight:** Approximately 0.01 ounces (*Note: This weight appears to be an error in the source data, as an all-metal machine would be significantly heavier.*)
- **Color:** Gray

7. WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please contact the manufacturer, Smartek USA Inc. Sewing, or your authorized dealer. Retain your proof of purchase for warranty claims. For additional resources and support, you may visit the [product page on Amazon](#).

Related Documents - RX-518

	<p>Rex Blindstitch Sewing Machines: Models 618, 808, 818 Series Overview</p> <p>Explore the Rex Blindstitch Machine Corp. range of professional sewing machines, including models 618, 618-6, 808, 818, and 818-6. Discover features and specifications for durable, high-performance blindstitching.</p>
	<p>REX Blindstitch Sewing Machines Instruction and Parts Book</p> <p>Comprehensive instruction and parts manual for REX Blindstitch Sewing Machines, models 101-1, 101-2, 101-3, and 101-1 PB, covering setup, operation, maintenance, and parts identification.</p>
	<p>U.S. Blind Stitch Machines: Instructions and Parts Book for Models 108, 118, 508, 518 Series</p> <p>Comprehensive instructions and parts catalog for U.S. Blind Stitch Machines, covering models 108, 118, 508, 518 series. Includes operation guides, maintenance, and detailed part diagrams for efficient sewing machine service.</p>
	<p>Spectranetics Quick-Cross Support Catheter: Instructions for Use</p> <p>Comprehensive instructions for the Spectranetics Quick-Cross Support Catheter, detailing indications, specifications, warnings, precautions, directions for use, adverse events, warranty, applicable standards, and disposal.</p>
	<p>Yamaha AVENTAGE Receiver Integration with ELAN Systems</p> <p>Guide detailing the integration of Yamaha AVENTAGE AV receivers with ELAN home automation systems, covering supported features, connection diagrams, configuration, and common integration issues.</p>
	<p>Yamaha AV Receiver Setup Guide App</p> <p>The Yamaha AV SETUP GUIDE app simplifies AV receiver setup, guiding users through cable connections, speaker configurations, and network settings for various Yamaha AV receiver models. Optimize your home theater with this easy-to-use application.</p>